

**From:** [Smalley, Bryant](#)  
**To:** [Hurricane Harvey Principals](#); [Peterson, Mary](#); [Jackson, Ryan](#)  
**Cc:** [Eoc, Epahq](#)  
**Subject:** Hurricane Harvey - Update 9/2/2017 0800 hr  
**Date:** Saturday, September 02, 2017 7:25:08 AM  
**Attachments:** [Update for 09022017\\_0800.pdf](#)

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Please see the September 2, 2017 0800 update.

Bryant Smalley  
REOC Manager



## Tropical Storm Harvey 2017 9/2/2017 – 0800 CDT Update

### **TEXAS**

#### **ARKEMA FIRE**

As of 8:00 am on September 2, 2017, three trailers reacted and caught fire at the Arkema facility. One fire occurred on August 31, 2017 and the second occurred on September 1, 2017. During the fire on September 1, 2017, EPA's ground air monitoring results outside of the exclusion zone were approximately 0.3 parts per million (ppm), below levels of health concern. The fire subsided by 6:30 pm and by 7:30 pm.

#### **Additional Updates:**

- Unified Command has determined that access to the facility is still unsafe and a 1.5-mile evacuation radius will remain in effect until further notice.
- Aerial reconnaissance photos indicate that flood waters within the facility have receded significantly.
- At the request of the local jurisdiction and Harris County Pollution Control, EPA collected surface water runoff samples downstream of the facility at 4 locations near a residential area. The samples are being analyzed by EPA's mobile laboratory.
- EPA will continue to maintain a 24-hr presence with air monitoring capabilities at the incident command operations center.
- Unified Command at the Arkema site continue to coordinate with the EPA Region 6 Environmental Unit to determine locations on the site where flood water samples should be collected.

#### **BEAUMONT**

The City of Beaumont's water system anticipates being at half capacity, ten million gallons per day, by noon September 2, 2017. The elevated storage tanks and groundwater tanks are mostly full and are currently valved-off until the system is brought back online. The City of Beaumont will be on a boil water notice when it goes on-line. EPA is maintaining contact with TCEQ and will provide assistance as requested.

The City has their Emergency Operations Center (EOC) fully functional and is coordinating efforts to make repairs and acquire chemicals and materials for both short-term and long-term.

## **FIELD RESPONSE ACTIVITIES**

### **LOUISIANA**

As of 6:00 pm ON September 2, 2017, the Louisiana State Emergency Operations Center (EOC) will no longer be fully activated. Only those agencies dealing with sheltering will be required to remain at the EOC. All other agencies are to remain on standby.

### **CORPUS CHRISTI**

On September 1, 2017, EPA deployed two container recovery teams to collect orphaned containers where hazard evaluations have been completed. Six oil discharge assessment teams consisting of US Coast Guard and Texas General Land Office are conducting reconnaissance in the area. Four TCEQ water infrastructure teams are conducting drinking water and waste water assessments. Two teams are conducting air reconnaissance via helicopters.

**Table 2. Drinking Water and Waste Water Assessments Performed on 9/1/2017**

Status of Facility with On-Site Visit	# of Facilities
Loss of Power Not on Generator	2
On Generator Power	3
Inoperable	4
Operating	1
Out of Contact (No Response)	2

### **HOUSTON**

Teams from the Houston Branch performed reconnaissance including 28 hazard evaluations and oil discharge assessments. This information will be prioritized for additional follow-up. On Saturday, September 2, 2017, EPA will send four additional Drinking Water/Wastewater Assessment Teams to Corpus Christi, and four Drinking Water/Wastewater Assessment Teams to Houston.

On September 1, 2017, the Department of Transportation (DOT), Pipeline and Hazardous Materials Safety Administration (PHMSA) issued a waiver of hazardous materials regulations. The waiver applies to persons conducting operations under the direction of EPA Region 6 within the Hurricane and Tropical Storm disaster and emergency areas of Texas and Louisiana. The waiver is granted to support EPA in taking appropriate actions to prepare for, respond to, and recover from Hurricane and Tropical Storm Harvey.

## SPILL/RELEASE RESPONSE

Hotline Calls as of September 1, 2017	
Number of Harvey Related Calls Received During Reporting Period 1300 to 0100 hr.	13
Total Number of Harvey Related Calls to Date	115
* EPA is assessing each call to determine appropriate response and forwarding reports to field personnel to conduct further assessments and response as needed.	

## DRINKING WATER / WASTEWATER ASSESSMENTS

EPA continues to support TCEQ in contacting drinking water and waste water systems. EPA deployed 10 personnel to assist TCEQ's Drinking Water and Waste Water Phone Bank located in Austin.

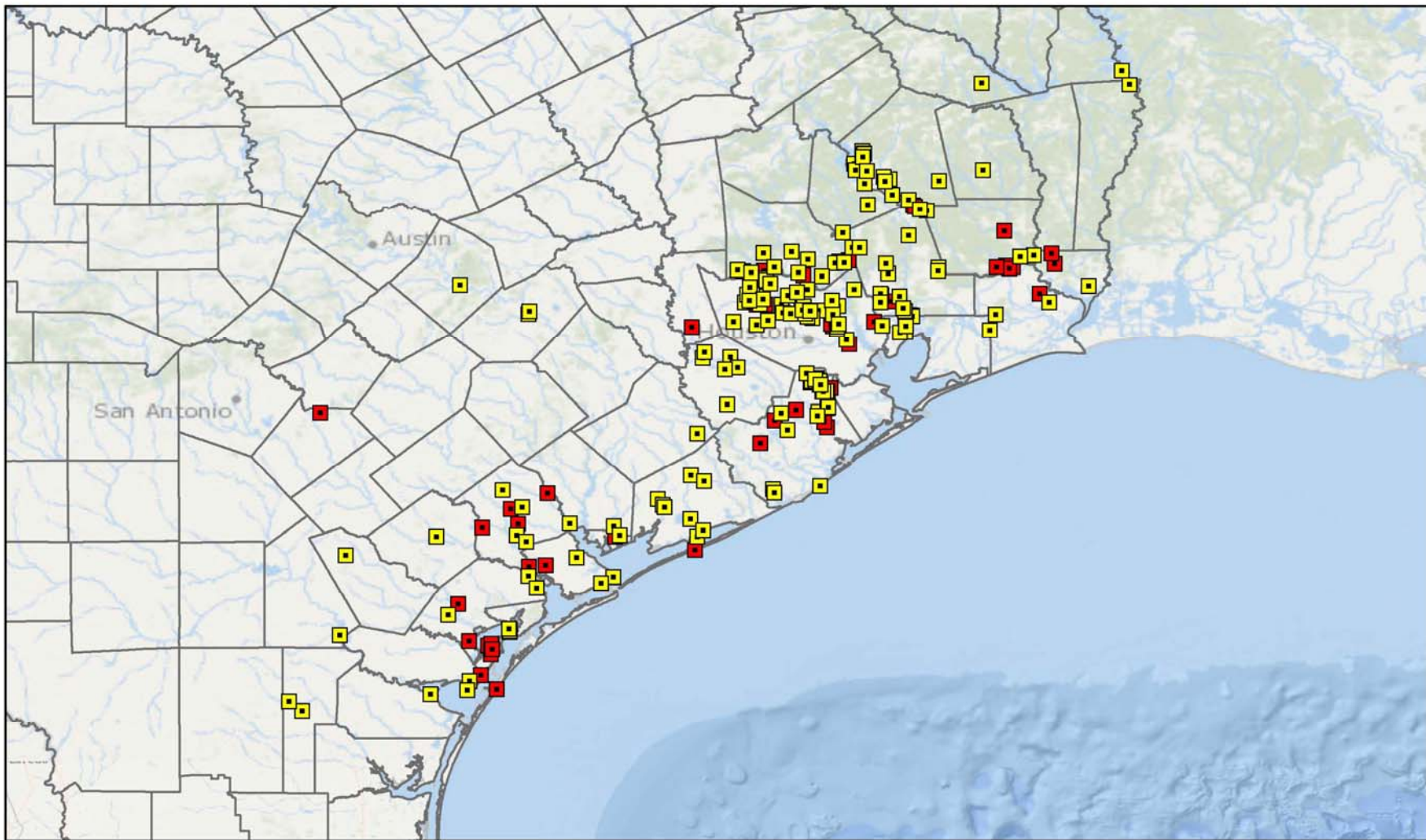
### **DW - Total # of Systems: 4512**

STATUS	NUMBER OF SYSTEMS
Contact Pending	159
Bacteria Sample Results Pending	16
Out of Contact	16
On Generator – Lost Pressure	14
No problems	1435
On Generator – Never Lost Pressure	16
No Status	2680
Lost pressure & or Treatment	61
Lifted boil water notice due to negative bacteria samples. Normal Ops resumed	63
System Destroyed	2
Not Operating	50



### **WW - Total # of Systems: 2469**

STATUS	NUMBER OF SYSTEMS
No Problems	1626
System Destroyed	2
Unknown	678
Waste Water Treat. Plant and/or Collection on Generator or bypass pumps for Lift Station	30

Waste Water Treat. Plant and/or Collection non operational no Sanitary Sewer Overflow	35
WWTP and/or Collection Partially Operational Sanitary Sewer Overflow	32
Site Visit Needed	1
Out of Contact - phone evaluation only	14
Contact Pending - Phone evaluation only	51

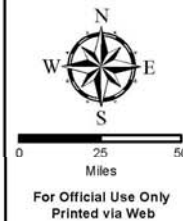


## Legend

-  Boiled Water Notices (173)
-  Water Outage (49)

US EPA Region 6

## Drinking Water Status Map 09/02/2017 - 0100

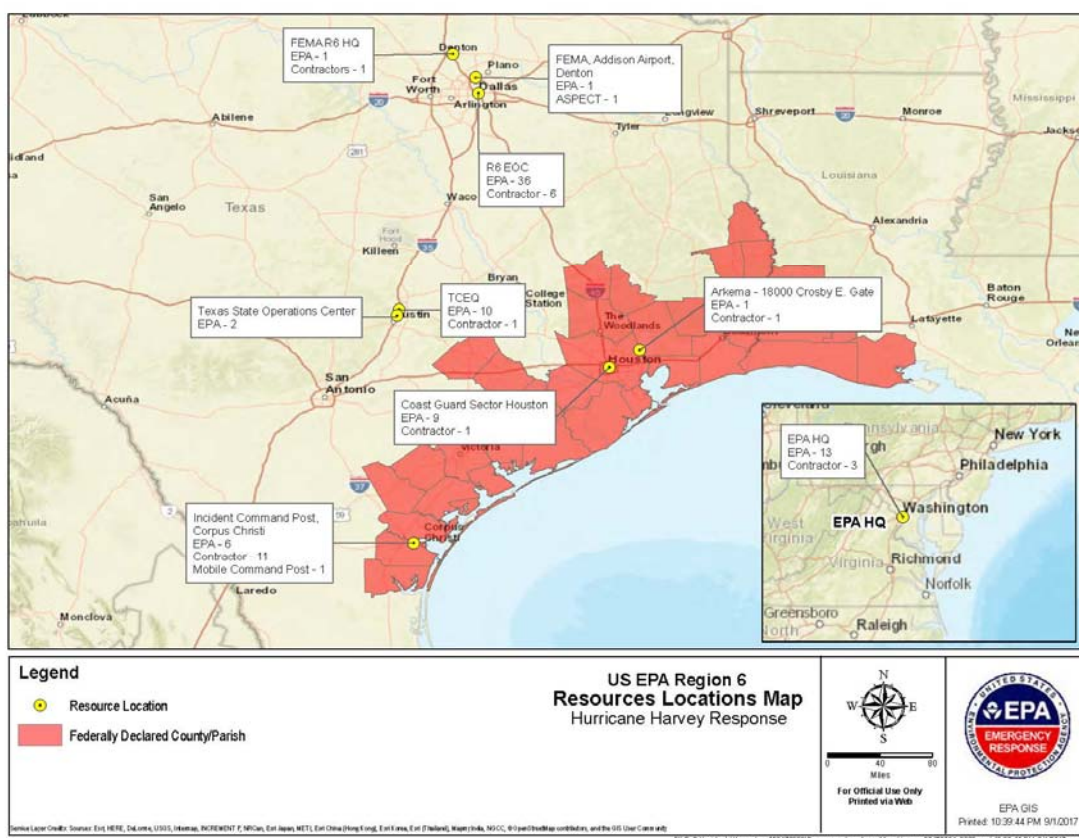


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## RESOURCES

Personnel	EPA Dallas, TX	FEMA Denton, TX	Texas SOC Austin, TX	TCEQ Austin, TX	Houston, TX	Corpus Christi, TX	HQ EOC Wash DC	Totals
EPA	36	1	2	10	9	13	13	84
START	5			1	1	5		12
ERRS						6		6
Other Contractors	1						3	4
TOTAL	42	1	2	11	10	24	16	106



## FUNDING

SEPTEMBER 1, 2017

Funding Sources	Funding Ceiling	Funding Ceiling Less Indirect	Spent to Date	Remaining Balance	Daily Burn Rate
Non Mission Assignment	N/A		\$64,200.00	\$0.00	
MA 4332DR-TX-EPA-01	\$20,000.00	\$17,654.00	\$0.00	\$17,654.00	
MA 4332DR-TX-EPA-03	\$8,592,000.00	\$7,584,077.00	\$1,759,127.00	\$5,824,950.00	\$90,233.84*
Totals:	\$8,612,000.00	\$7,601,731.00		\$7,601,731.00	

\*Burn rate does not include daily ERRS amounts, not yet received. The burn does include START & ASPECT.

\*\* Indirect costs represent the money the Cincinnati Shared Service Center takes off the top to manage the Mission Assignments

## LABORATORY/ ANALYTICAL SERVICES

EPA's organic chemical mobile laboratory arrived in Houston, Texas on August 31, 2017. The mobile laboratory can be utilized to process environmental samples.

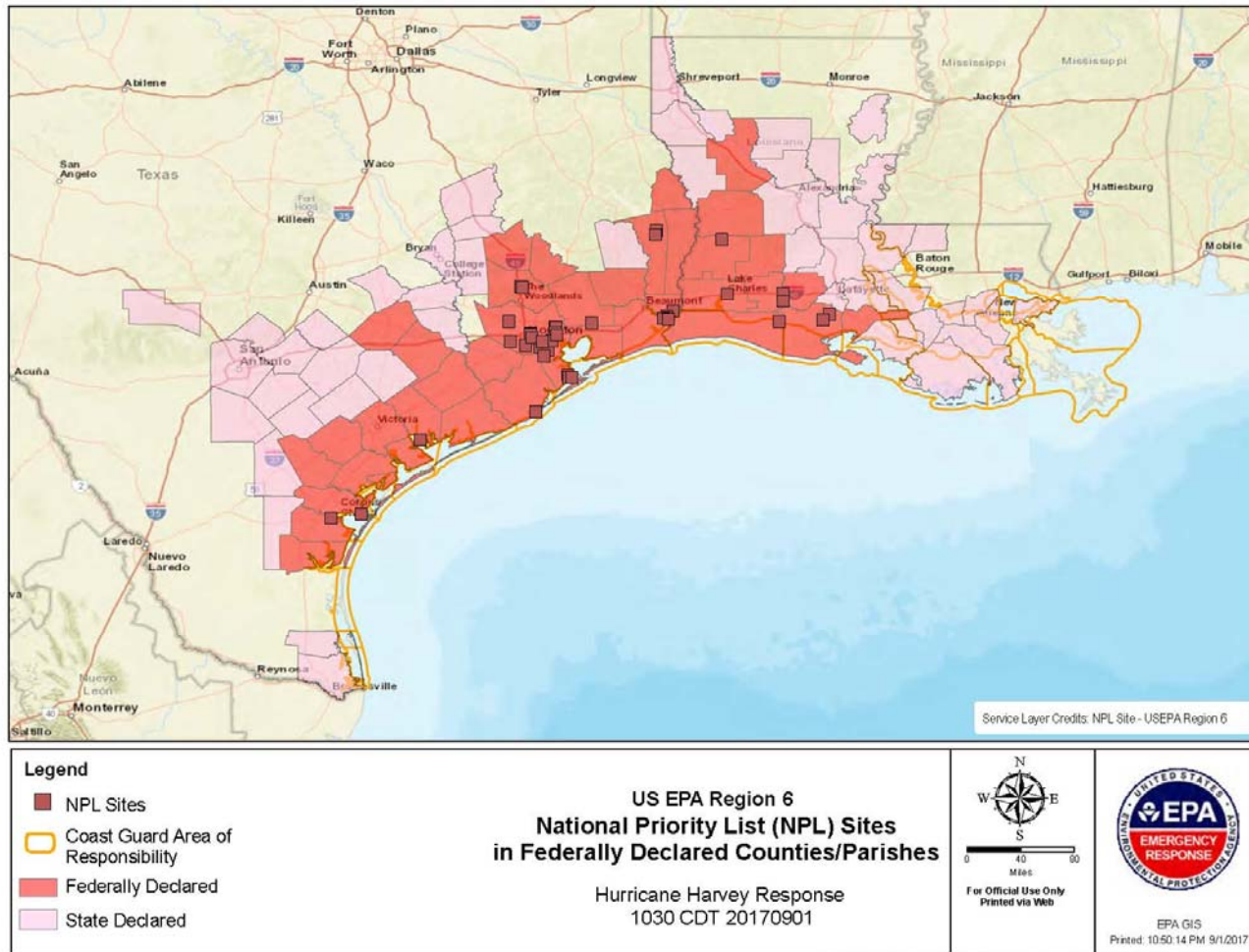
## REFINERIES/FUEL WAIVERS

1. TEXAS: EPA approved the State of Texas' request to extend the Texas fuel waiver to allow use of non-road diesel fuel in on-road applications. This non-road fuel has different tax treatment, and to differentiate it, is colored with red dye. The Internal Revenue Service (IRS) issued a waiver of the dyed diesel fuel penalty through September 15, 2017. The IRS will not impose a penalty when dyed diesel fuel is sold for use or used on the highway.
2. LOUISIANA: A waiver that would allow use of 9.0lb. RVP was approved on 28 August. LDEQ thanked EPA, R6 and Department of Energy for the quick turnaround and assistance this week. On September 1, 2017 the Governor of Louisiana requested a No Action Assurance from the EPA Region 6 Acting Regional Administrator. According to Louisiana this in order to facilitate the delivery of fuels to areas of Louisiana and Texas impacted by the hurricane, the Louisiana Department of Environmental Quality (LDEQ), on behalf of Governor John Bel Edwards, respectfully requests that EPA provide a "no action assurance" to allow for the use of tank trucks, railcars, and marine tank vessels that may not have the requisite vapor tightness documentation necessary to load gasoline and other petroleum products at Louisiana facilities.



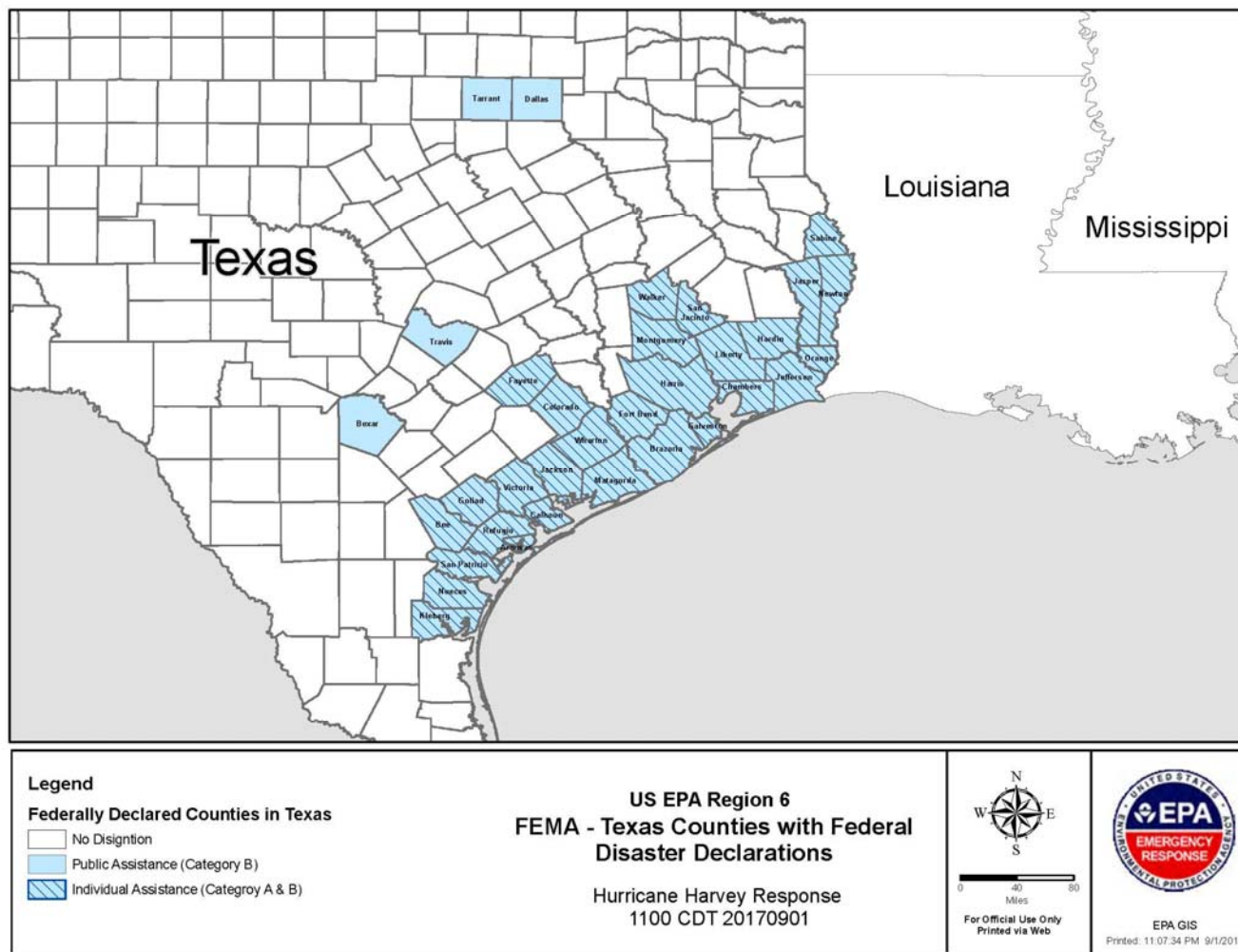
3. OKLAHOMA: A statewide low Reid Vapor Pressure (RVP) fuel waiver request was submitted on August 28, 2017, and amended their request on August 30 expanding 11.5 RVP waiver nationwide.
4. ARKANSAS: The State is drafting a waiver request to temporarily waive the requirement for low 9.0lb RVP fuel.
5. On August 30<sup>th</sup>, EPA issue a waiver for the temporary use of 11.5 PSI RVP gasoline in the following states: Alabama, Georgia, Kentucky, Maryland, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, Texas, Louisiana, Florida and the District of Columbia. For Texas and Louisiana, it expands the waiver coverage area from the earlier waiver granted.
6. EPA issued a waiver for 38 states and the District of Columbia of all low volatility gasoline requirements in any State Implementation Plan that applies in the designated states. This waiver now includes all five Region 6 states: Arkansas, Louisiana, New Mexico, Oklahoma and Texas. The waiver for El Paso, Texas goes until September 16, 2017 due to their State Implementation Plan requirements.

## SUPERFUND NPL SITES



No NPL site status updates are expected until Tuesday September 4, 2017.

## FEMA – TEXAS COUNTIES WITH DISASTER DECLARATIONS



## NPL SITE STATUS UPDATE

EPA has inspected and cleared the Brine Service Company and the Falcon Refinery Sites and no new updates will be available until Tuesday.

Superfund Sites within Federally Declared Counties				9/2/2017
Status Summary				
TEXAS				
SITE NAME	Inspected	Offsite Release	Onsite Damage	
BRINE SERVICE CO.	8/30/17	No	No	
FALCON REFINERY	8/30/17	No	No	
ALCOA (Point Comfort) / LAVACA BAY				
BAILEY WASTE DISPOSAL				
BRIO REFINING INC.				
CONROE CREOSOTING COMPANY				
CRYSTAL CHEMICAL CO.				
DIXIE OIL PROCESSORS INC.				
FRENCH, LTD.				
GENEVA INDUSTRIES / FUHRMANN ENERGY				
GULFCO MARINE MAINTENANCE				
HARRIS (FARLEY STREET)				
HART CREOSOTING				
HIGHLANDS ACID PIT				
JASPER CREOSOTING				
JONES ROAD GROUNDWATER PLUME				
MALONE SERVICES COMPANY				
MANY DIVERSIFIED INTERESTS, INC				
MOTCO, INC.				
NORTH CAVALCADE STREET				
PALMER BARGE LINE				
PATRICK BAYOU				
PETRO-CHEMICAL SYSTEMS, INC. (Turtle Bayou)				
SAN JACINTO RIVER WASTE PITS				
SIKES DISPOSAL PITS				
SOL LYNN / INDUSTRIAL TRANSFORMERS				
SOUTH CAVALCADE STREET				
STAR LAKE CANAL				
STATE MARINE OF PORT ARTHUR				
TEX-TIN CORP.				
US OIL RECOVERY				
TRIANGLE CHEMICAL COMPANY				
UNITED CREOSOTING CO.				

Superfund Sites within Federally Declared Counties				9/2/2017
Status Summary				
LOUISIANA				
AMERICAN CREOSOTE DERIDDER				
D.L. MUD, INC.				
EVR-WOOD TREATING/EVANGELINE REFINING COMPANY				
GULF COAST VACUUM SERVICES				
GULF STATE UTILITIES (North Ryan Street)				
MALLARD BAY LANDING BULK PLANT				
SBA SHIPYARD				
PAB OIL & CHEMICAL SERVICE				



## PHOTOS



Command and General Staff Meeting in Corpus Christi, TX



EPA Command Post – Corpus Christi, TX